

Polimeri Europa Flexirene® MS 40 U Linear Low Density Polyethylene

Category : Polymer , Thermoplastic , Polyethylene (PE) , LLDPE , Linear Low Density Polyethylene (LLDPE), Injection Molded

Material Notes:

Flexirene MS 40 U is a linear low density polyethylene (LLDPE), with antioxidants, suitable for injection molding application. Parts made with Flexirene MS 40 U are characterized by a good balance between impact resistance and rigidity.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polimeri-Europa-Flexirene-MS-40-U-Linear-Low-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.930 g/cc	0.930 g/cc	ISO 1183
Melt Flow	27 g/10 min	27 g/10 min	ISO 1133
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	52	52	ISO 868/A
Tensile Strength at Break	12.0 MPa	1740 psi	ISO 527
Tensile Strength, Yield	11.0 MPa	1600 psi	ISO 527
Elongation at Break	>= 500 %	>= 500 %	ISO 527
Flexural Modulus	0.300 GPa	43.5 ksi	ISO 178

Thermal Properties	Metric	English	Comments
Melting Point	123 °C	253 °F	Internal method
Vicat Softening Point	103 °C	217 °F	ISO 306/A
	@Load 1.00 kg	@Load 2.20 lb	
Brittleness Temperature	<= -70.0 °C	<= -94.0 °F	ASTM D746

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